

Applicants : Donald Landry et al.  
Serial No. : 10/538,310  
Filing Date : April 13, 2006  
Page 2

**Listing of Claims:**

- 1-13. (Cancelled).
14. (Currently Amended) A peptide which forms a phosphorus-based ester with an organophosphorus agent, which peptide comprises a nucleophilic functional group at least six consecutive amino acids having a sequence set forth in any one of SEQ ID NOs:1-11.
15. (Cancelled)
16. (Original) The peptide of claim 14, wherein the length of the peptide is between six and 15 amino acid residues.
17. (Original) The peptide of claim 16, wherein the peptide has a length of six amino acid residues.
18. (Original) The peptide of claim 14, wherein the molecular weight of the peptide is less than 1500 daltons.
- 19-27. (Canceled).
28. (Currently Amended) A composition of matter comprising the peptide of claim 14[[,]] and a carrier.
29. (Cancelled)

Applicants : Donald Landry et al.  
Serial No. : 10/538,310  
Filing Date : April 13, 2006  
Page 3

30. (Previously Presented) The composition of claim 28, wherein the carrier is a foam or an aerosol.
31. (Currently Amended) An article of manufacture comprising a peptide which (a) forms a phosphorus-based ester with an organophosphorus agent, which peptide comprises at least six consecutive amino acids having a sequence set forth in any one of SEQ ID NOs:1-11 ~~the peptide of claim 14~~ and (b) is affixed to a solid substrate.
32. (Cancelled)
33. (Cancelled)
34. (Cancelled).
35. (Withdrawn - Currently Amended) A method for reducing the likelihood of injury due to exposure to an organophosphorus agent in a subject exposed to ~~or at risk of exposure to~~ such agent, comprising administering to the subject an ~~effective~~ amount of the peptide of claim 14 effective to form a phosphorus-based ester with the organophosphorus agent and thereby reduce the likelihood of injury due to exposure to the organophosphorus agent.
36. (Withdrawn - Currently Amended) A method for decontaminating an area exposed to an organophosphorus

Applicants : Donald Landry et al.  
Serial No. : 10/538,310  
Filing Date : April 13, 2006  
Page 4

agent comprising introducing to the area an ~~effective~~  
amount of the peptide of claim 14 effective to form a  
phosphorus-based ester with the organophosphorus agent  
and thereby decontaminate the area.

37-41. (Cancelled)